



Water-Data Report NV-2005

**10336790 TROUT CREEK AT SOUTH LAKE TAHOE, CA**

TRUCKEE RIVER BASIN, LAKE TAHOE

LOCATION.--Lat 38°55'56", long 119°58'40" referenced to North American Datum of 1927, in SE ¼ NW ¼ sec.3, T.12 N., R.18 E., El Dorado County, Hydrologic Unit 16050101, on right bank, downstream side of U.S. Highway 50 bridge, 1.2 mi upstream from Lake Tahoe, and 1.4 mi southwest of South Lake Tahoe Post Office.

DRAINAGE AREA.--40.4 mi<sup>2</sup>.

**WATER-QUALITY RECORDS**

PERIOD OF RECORD.--Water years 1972-74, 1989 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Instantaneous: Oct 1971 to Jun 1974, Oct 1988 to Sep 1992. Continuous: Sep 1997 to Sep 2003, discontinued.

SUSPENDED-SEDIMENT DISCHARGE: Oct 1971 to Jun 1974, Oct 1988 to Sep 1992.

INSTRUMENTATION.--Water temperature recorder Sep 1997 to Sep 2003, two times per hour.

REMARKS.--In Oct 1992, station was incorporated into the expanded Lake Tahoe Interagency Monitoring Program to monitor tributary contributions of nutrients and sediment to Lake Tahoe. Nutrient samples were analyzed by the University of California, Davis, Tahoe Research Group. Water temperature data for Sep 1997 were not published but are available from the U.S. Geological Survey in Carson City, NV. Quality assurance samples associated with the entire Lake Tahoe Interagency Monitoring Program are listed under station numbers 103366769999 and 103367309999. Hydrazine method used to determine nitrate plus nitrite concentrations (00631) was found to have interferences caused by other common ions in water samples. Values may be adjusted in the future to correct for these interferences.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 22.0°C, Jul 8, 1990, Aug 2, 2001; minimum, freezing point on many days during winter months.

SEDIMENT CONCENTRATION: Maximum daily mean, 300 mg/L, Jan 15, 1974; minimum daily mean, 0 mg/L, at times in most years.

SEDIMENT LOAD: Maximum daily, 52 tons, Jan 15, 1974; minimum daily, 0 ton, at times in most years.

## 10336790 TROUT CREEK AT SOUTH LAKE TAHOE, CA—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**

Part 1 of 2

[Remark codes: &lt;, less than; E, estimated.]

Date	Time	Sample type	Instan- taneous dis- charge, cfs (00061)	Baro- metric pres- sure, mm Hg (00025)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unf uS/cm (00095)	Temper- ature, air, deg C (00020)	Temper- ature, water, deg C (00010)	Ammonia	
							+ org-N, water, unfltrd mg/L (00623)				+ org-N, water, unfltrd mg/L (00625)	
Oct												
05...	1340	Environmental	E12	--	--	--	--	56	18.0	12.0	--	.16
17...	1405	Environmental	E14	--	--	--	--	57	7.0	7.5	.06	.11
18...	1055	Environmental	E17	--	--	--	--	58	2.0	5.0	.23	.41
Nov												
02...	1115	Environmental	E16	--	--	--	--	55	8.5	.0	--	.20
Dec												
08...	1435	Environmental	E16	606	10.9	94	7.4	52	3.0	.0	.05	.10
Jan												
06...	1205	Environmental	E15	--	--	--	--	55	-2.0	.0	--	.10
Feb												
03...	1200	Environmental	E15	--	--	--	--	58	7.5	.5	--	.11
Mar												
04...	1110	Environmental	E15	609	10.8	99	7.7	62	6.0	2.6	.08	.12
10...	1335	Environmental	E20	--	--	--	--	64	13.5	7.0	.10	.14
Apr												
04...	1145	Environmental	E25	--	--	--	--	66	2.5	3.5	.15	.17
18...	1145	Environmental	E43	--	--	--	--	53	6.5	2.5	.16	.31
26...	1145	Environmental	E49	--	--	--	--	52	11.5	5.5	.14	.19
May												
03...	1400	Environmental	E56	--	--	--	--	49	13.5	6.5	.15	.34
05...	1020	Environmental	E65	--	--	--	--	45	6.5	4.0	.12	.33
09...	1440	Environmental	E72	--	--	--	--	44	-1.5	4.0	.15	.49
17...	1045	Environmental	E105	--	--	--	--	37	7.5	4.0	.27	.34
18...	1550	Environmental	E148	--	--	--	--	36	7.5	8.5	.30	--
19...	1445	Environmental	E149	--	--	--	--	33	12.0	8.5	.22	.46
23...	1045	Environmental	E158	--	--	--	--	28	13.5	5.5	.21	.26
24...	1030	Environmental	E158	--	--	--	--	27	12.5	6.0	.17	.29
26...	1210	Environmental	E163	--	--	--	--	27	16.0	8.0	.19	.26
27...	0930	Environmental	E179	--	--	--	--	26	16.0	6.5	.18	.26
Jun												
06...	1205	Environmental	E142	607	9.6	98	7.1	26	9.5	6.3	.08	.23
09...	1005	Environmental	E135	--	--	--	--	28	10.5	6.5	.08	.27
23...	1005	Environmental	E107	--	--	--	--	28	15.5	7.5	.09	.17
Jul												
06...	1055	Environmental	E77	--	--	--	--	30	21.5	11.5	.07	.15
Aug												
03...	1120	Environmental	E36	--	--	--	--	38	21.0	11.5	--	.09
03...	1125	Replicate	--	--	--	--	--	--	--	--	--	.11
15...	1715	Environmental	E30	--	--	--	--	40	14.0	13.5	.12	.35
Sep												
15...	1130	Environmental	E20	610	10.1	107	7.6	47	17.5	8.2	--	.06
27...	1335	Environmental	E23	--	--	--	--	49	12.5	9.5	.09	.11

## 10336790 TROUT CREEK AT SOUTH LAKE TAHOE, CA—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**  
 Part 2 of 2  
 [Remark codes: <, less than; E, estimated.]

Date	Nitrite + Ammonia water, fltrd, mg/L as N (00608)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, unfltrd water, mg/L (00665)	Suspnd. sediment, sieve diameter, <.063mm (70331)	Sus-pended sediment percent	Sus-pended concentration mg/L (80154)	Sus-pended sediment discharge, tons/d (80155)
<b>Oct</b>								
05...	.006	.009	.005	.017	.029	--	4	E.13
17...	.003	.004	.013	.019	.021	--	3	E.11
18...	.003	.006	.013	.027	.047	63	17	E.78
<b>Nov</b>								
02...	.005	.007	.007	.021	.039	--	12	E.52
<b>Dec</b>								
08...	.005	.013	.006	.013	.029	--	6	E.26
<b>Jan</b>								
06...	.004	.018	.004	.018	.020	--	3	E.12
<b>Feb</b>								
03...	.004	.019	.008	.018	.035	--	8	E.32
<b>Mar</b>								
04...	.007	.010	.006	.013	.028	--	7	E.28
10...	.003	.022	.005	.013	.034	--	8	E.43
<b>Apr</b>								
04...	.003	.021	.008	.019	.034	--	7	E.47
18...	.006	.025	.008	.013	.070	--	40	E4.6
26...	.005	.021	.006	.029	.040	--	16	E2.1
<b>May</b>								
03...	.006	.018	.009	.020	.048	--	23	E3.5
05...	.006	.017	.008	.019	.056	--	31	E5.4
09...	.009	.015	.010	.020	.076	--	42	E8.2
17...	.005	.016	.010	.031	.074	43	65	E18
18...	.005	.013	.016	.035	.092	40	78	E31
19...	.003	.014	.016	.033	.069	47	51	E20
23...	.007	.011	.014	.029	.055	--	38	E16
24...	.010	.003	.012	.014	.042	4	307	E131
26...	.004	.007	.014	.019	.047	--	27	E12
27...	.005	.009	.013	.021	.046	34	35	E17
<b>Jun</b>								
06...	.005	.004	.008	.026	.041	--	20	E7.7
09...	.003	.005	.008	.022	.037	--	20	E7.3
23...	.004	.005	.008	.018	.033	--	17	E4.9
<b>Jul</b>								
06...	<.003	.005	.008	.013	.042	--	18	E3.7
<b>Aug</b>								
03...	.003	.007	.009	.014	.030	--	10	E.97
03...	.003	.006	.009	.016	.030	--	--	--
15...	.003	.003	.017	.025	.049	--	33	E2.7
<b>Sep</b>								
15...	.003	.007	.009	.015	.026	--	2	E.11
27...	.004	.003	.009	.017	.026	--	6	E.37